

grain insect pests, each of the test oils was fogged into a container in which adult maize weevils were present. The oils were applied at 200ug/cc, and maize weevil mortality was observed at 48 hours. The results are shown below.

48-hour mortality (%) at 200ug/cc

4-Blend	93%
Benzyl alcohol	93%
2-phenyl ethyl alcohol	93%
2-phenyl ethyl propionate	73%
Trans-anethole	53%
Eugenol	47%
5-Blend	40%
$\alpha$ -terpineol	20%
Thymol	13%
V-3052	7% ---

**On page 13, please replace the first paragraph with the following paragraph in its place.**

--- Various plant essential oils and blends thereof were screened for contact toxicity against maize weevil (*Sitophilus zeamais*) adults in corn, sawtoothed grain beetle (*Oryzaephilus surinamensis*) adults in oats, red flour beetle (*Tribolium castaneum*) adults in oats, and drugstore beetle (*Stegobioum paniceum*) last-instar larvae in wheat. The materials tested included 4-Blend (2-phenyl ethyl alcohol, 2-phenyl ethyl propionate, benzyl alcohol, and  $\alpha$ -terpineol), benzyl alcohol, ADL 1-19 (4-blend 10%, eugenol 1.7%,  $\alpha$ -terpineol 1.7%, cinnamic alcohol 1.7%), ADL 1-22 (4-blend 10%, eugenol 2.5%, thymol 3%, cis-jasmone 0.6%), ADL 1-28 (2-phenyl ethyl propionate 3.75%, thymol 3.0%, eugenol 2.5%, PD98059 0.03%), and EcoPCO D (4-blend + eugenol). To determine the contact toxicity against stored insect pests, each of the test oils was